

Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	
		Filing Date	
		First Named Inventor	Kerry I. Litvin
		Group Art Unit	
		Examiner Name	
Sheet 1 of 1	Attorney Docket Number	10622-4US	

09/811749



U.S. PATENT DOCUMENTS				
Exr Initials	U.S. Patent Document		Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	Number	Kind Code (if known)		
M	5,060,305		Prucnal et al.	10-22-1991
M	5,073,980		Prucnal et al.	12-17-1991
M	5,493,433		Prucnal et al.	02-20-1996
M	5,825,519		Prucnal	10-20-1998
M	5,841,560		Prucnal	11-24-1998
M	5,917,979		Prucnal	06-29-1999
M	5,926,496		Ho et al.	06-20-1999

FOREIGN PATENT DOCUMENTS					
Exr Initials	Foreign Patent Document			Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	Country Code	Number	Kind Code (if known)		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Exr Initials	Include Name of Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T <sub>1</sub>
M	NAKAMURA et al., "168 Gbps Error-Free Demultiplexing With Hybrid-Integrated Symmetric Mach-Zehnder All-Optical Switch," Optical Fiber Conference 2000 Technology Digest, pp. 81-83, (March, 2000).		X
M	SOKOLOFF et al., "A Terahertz Optical Asymmetric Demultiplexer (TOAD)," IEEE Photonics Technology Letters, vol. 5, no. 7, pp. 787-790 (July, 1993).		X
M	KANG et al., "Ultrafast Optical Time Demultiplexers Using Semiconductor Optical Amplifiers," International Journal of High Speed Electronics and Systems, vol. 7, no. 1, pp. 125-151 (1996).		X
M	GLESK et al., "Demonstration of Ultrafast All-Optical Packet Routing," Electronics Letters, vol. 33, no. 9, pp. 794-795 (April, 1997).		X
M	LEVY et al., "Fabrication of Ultracompact 3-dB 2 x 2 MMI Power Splitters," IEEE Photonics Technology Letters, vol. 11, no. 8, pp. 1009-1011 (August, 1999).		X
M	CHIN et al., "Design and Modeling of Waveguide-Coupled Single-Mode Microring Resonators," Journal of Lightwave Technology, vol. 16, no. 8, pp. 1433-1446 (August, 1998).		X

Examiner Signature	<i>Hemang Sanghani</i>	Date Considered	10/12/03
--------------------	------------------------	-----------------	----------

T<sub>1</sub> - Place a check mark if English language translation is attached.  
 County Code - see Phila Doc #52886  
 Kind Code - see Phila Doc # 99754

Form PTO/SB/08A		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Applicant Number	09/811,749
		Filing Date	March 19, 2001
		First Named Inventor	Kerry I. Litvin
		Group Art Unit	2874
		Examiner Name	M. Stahl
Sheet 1 of 1	Attorney Docket Number	10622-4US	

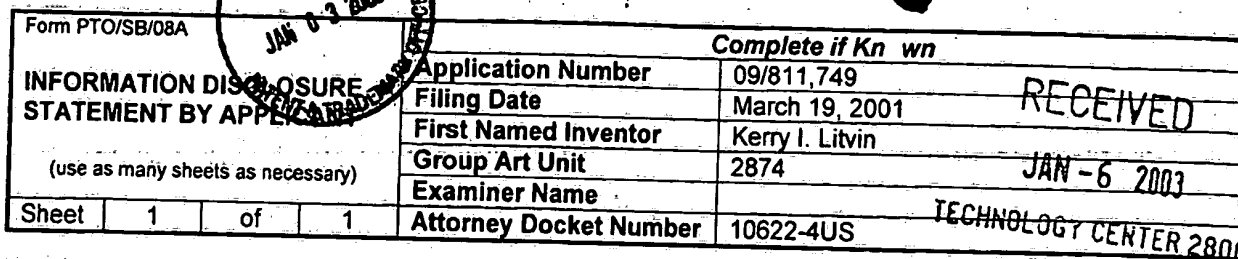
U.S. PATENT DOCUMENTS				
Exr. Initials	U.S. Patent Document		Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY
	Number	Kind Code (if known)		

FOREIGN PATENT DOCUMENTS						
Exr. Initials	Foreign Patent Document			Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY	T <sub>1</sub>
	Country Code	Number	Kind Code (if known)			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exr. Initials	Include Name of Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sub>1</sub>
ho	International Preliminary Examination Report (IPER) for PCT/US02/06850, mailed March 26, 2003, 11 pages.	X

Examiner Signature	<i>Herman Singhani</i>	Date Considered	10/14/2003
--------------------	------------------------	-----------------	------------

T<sub>1</sub> - Place a check mark if English language translation is attached.

[illegible][illegible][illegible]

Examiner Signature	<i>Hernan Singhani</i>	Date Considered	<i>10/12/03</i>
-----------------------	------------------------	--------------------	-----------------

T<sub>1</sub> - Place a check mark if English language translation is attached.  
County Code - see Phila Doc #52886  
Kind Code - see Phila Doc # 99754

RECEIVED

OTPE  
AUG 1 2012  
PATENT TRADEMARK OFFICE  
EXP. 10/1/12



Examiner Signature	Hemang Singhani
89628 v	

**T<sub>1</sub> - Place a check mark if English language translation is attached.**  
**County Code - see Phila Doc #52886**  
**Kind Code - see Phila Doc # 99754**

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	
				Filing Date	
				First Named Inventor	Kerry I. Litvin
				Group Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	10622-4US

U.S. PATENT DOCUMENTS				
Exr Initials	U.S. Patent Document		Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	Number	Kind Code (if known)		
<del>///</del>	5,060,305		Prucnal et al.	10-22-1991
	5,073,980		Prucnal et al.	12-17-1991
	5,493,433		Prucnal et al.	02-20-1996
	5,825,519		Prucnal	10-20-1998
	5,841,560		Prucnal	11-24-1998
	5,917,979		Prucnal	06-29-1999
	5,926,496		Ho et al.	06-20-1999

[illegible]

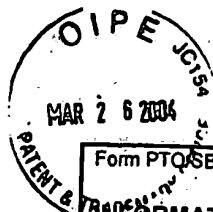
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exr Initials	Include Name of Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sub>1</sub>
	NAKAMURA et al., "168 Gbps Error-Free Demultiplexing With Hybrid-Integrated Symmetric Mach-Zehnder All-Optical Switch," Optical Fiber Conference 2000 Technology Digest, pp. 81-83, (March, 2000).	X
	SOKOLOFF et al., "A Terahertz Optical Asymmetric Demultiplexer (TOAD)," IEEE Photonics Technology Letters, vol. 5, no. 7, pp. 787-790 (July, 1993).	X
	KANG et al., "Ultrafast Optical Time Demultiplexers Using Semiconductor Optical Amplifiers," International Journal of High Speed Electronics and Systems, vol. 7, no. 1, pp. 125-151 (1996).	X
	GLESK et al., "Demonstration of Ultrafast All-Optical Packet Routing," Electronics Letters, vol. 33, no. 9, pp. 794-795 (April, 1997).	X
	LEVY et al., "Fabrication of Ultracompact 3-dB 2 x 2 MMI Power Splitters," IEEE Photonics Technology Letters, vol. 11, no. 8, pp. 1009-1011 (August, 1999).	X
	CHIN et al., "Design and Modeling of Waveguide-Coupled Single-Mode Microring Resonators," Journal of Lightwave Technology, vol. 16, no. 8, pp. 1433-1446 (August, 1998).	X

Examiner Signature	<i>Hemang Sanghvi</i>	Date Considered	5/17/04
-----------------------	-----------------------	--------------------	---------

**T<sub>1</sub> - Place a check mark if English language translation is attached.**

County Code - se Phila Doc #52886

Kind Code - se Phila Doc # 99754



Form PTO/SB/08A		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Application Number</b>	09/811,749
		<b>Filing Date</b>	March 19, 2001
		<b>First Named Inventor</b>	Kerry I. Litvin
		<b>Group Art Unit</b>	2874
		<b>Examiner Name</b>	
<b>Sheet</b>	1 of 1	<b>Attorney Docket Number</b>	10622-4US

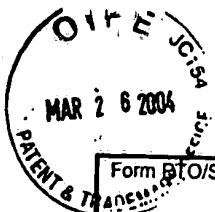
Exr Initials	U.S. PATENT DOCUMENTS			
	U.S. Patent Document Number	Kind Code (if known)	Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY

Exr Initials	FOREIGN PATENT DOCUMENTS					
	Country Code	Foreign Patent Document Number	Kind Code (if known)	Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY	T <sub>1</sub>

Exr Initials	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		T <sub>1</sub>
	Include Name of Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
	LEUTHOLD, J. et al., "All-Optical Mach-Zehnder Interferometer Wavelength Converters and Switches with Integrated Data- and Control-Signal Separation Scheme," Journal of Lightwave Technology, IEEE, Vol. 17, No. 6, June 1999, pages 1056-1065.		X

<b>Examiner Signature</b>	<i>Hemang Singhani</i>	<b>Date Considered</b>	5/17/04
-------------------------------	------------------------	----------------------------	---------

212232 v1  
T<sub>1</sub> - Place a check mark if English language translation is attached.  
County Code - see Phila Doc #52886  
Kind Code - see Phila Doc # 99754



Form PTO/SB/08A		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/811,749
		Filing Date	March 19, 2001
		First Named Inventor	Kerry I. Litvin
		Group Art Unit	2874
		Examiner Name	M. Stahl
Sheet 1 of 1	Attorney Docket Number	10622-4US	

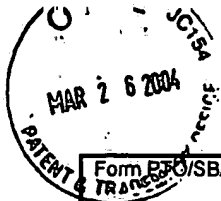
Exr Initials	U.S. Patent Document		Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY
	Number	Kind Code (if known)		

Exr Initials	FOREIGN PATENT DOCUMENTS			Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY	T <sub>1</sub>
	Country Code	Foreign Patent Document Number	Kind Code (if known)			

Exr Initials	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		T <sub>1</sub>
	Include Name of Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
	International Preliminary Examination Report (IPER) for PCT/US02/06850, mailed March 26, 2003, 11 pages.		X

Examiner Signature	<i>Humang Singh</i>	Date Considered	5/17/04
--------------------	---------------------	-----------------	---------

T<sub>1</sub> - Place a check mark if English language translation is attached.



Form PTO/SB/08A		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/811,749		
		Filing Date	March 19, 2001		
		First Named Inventor	Kerry I. Litvin		
		Group Art Unit	2874		
		Examiner Name			
Sheet	1	of	1	Attorney Docket Number	10622-4US

U.S. PATENT DOCUMENTS				
Exr Initials	U.S. Patent Document		Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY
	Number	Kind Code (if known)		
	5,173,956		Hayes	12-1992
	5,517,022		Bock et al.	05-1996
	5,555,119		Lewis	09-1996
	5,999,293		Manning	12-1999
	6,188,511		Marcenac et al.	02-2001

FOREIGN PATENT DOCUMENTS						
Exr Initials	Foreign Patent Document			Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY	T <sub>1</sub>
	Country Code	Number	Kind Code (if known)			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			T <sub>1</sub>
Exr Initials	Include Name of Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
	International Search Report for PCT Application No. PCT/US02/00850, mail date July 18, 2002, 3 pages.		X
	TAJIMA, K. ET AL. "Ultrafast Semiconductor All-Optical Switch Based on Highly Efficient Incoherent Nonlinearity with Slow Relaxation" Optoelectronics Devices and Technologies, Mita Press, Tokyo, JP, Volume 10, Number 4, December 1, 1995, pages 505-514.		X
	RIZA, N.A. "Acousto-optically Switched Optical Delay Lines", Optics Communications, North-Holland Publishing Company, Amsterdam, NL, Volume 145, Number 1-6, 1998, pages 16-20.		X
	PORTE, H. ET AL. "An LiNbO <sub>3</sub> Integrated Coherence Modulator", Journal of Lightwave Technology, IEEE, New York, US, Volume 10, Number 6, June 1, 1992, pages 760-766.		X

Examiner Signature	<i>Hemang Singhani</i>	Date Considered	5/17/04
--------------------	------------------------	-----------------	---------

189628 v1

T<sub>1</sub> - Place a check mark if English language translation is attached.  
County Code - see Phila Doc #52886  
Kind Code - see Phila Doc # 99754